

Actuator

51-
716.0292

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Your product:



51-716.0292

Actuator

FRONT

| | |
|-----------------------|---------------|
| Front bezel material: | Plastic |
| Front dimension: | 24 mm x 18 mm |
| Front bezel colour: | Black |

MOUNTING

| | |
|---------|--------|
| Design: | raised |
|---------|--------|

OPERATING-/INDICATION PART

| | |
|--------------------|--------------|
| Lens illumination: | illuminative |
|--------------------|--------------|

ELECTRICAL CHARACTERISTICS

| | |
|--|---|
| Contacts: | 2 NC / 2 NO |
| Rated Operational Voltage U_e : | 250 VAC/DC according to EN IEC 60947-1 |
| Standards: | According to EN/IEC 61058-1 |
| Switching voltage and switching current: | 250 VAC, 5 A (ohmic) 250 VAC, 3 A (Soldering terminal) 250 VAC, 2 A (inductive, $\cos(\phi) = 0.7$) 125 VAC, 3 A (inductive, $\cos(\phi) = 0.7$) 220 VDC, 0.1 A (inductive, L:R = 30 ms) 110 VDC, 0.2 A (inductive, L:R = 30 ms) 60 VDC, 0.7 A (inductive, L:R = 30 ms) 24 VDC, 2 A (inductive, L:R = 30 ms) |
| Electric strength: | 2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15 |
| Electrical lifetime: | 50 000 cycles of operation |
| Thermal current I_{th} : | 5 A, according to EN / IEC 60947-5-1 The maximum current in continuous operation and at ambient temperature not exceeding the quoted maximum values. |

Protection class: II

MECHANICAL CHARACTERISTIC

Switching system: Snap-action switching element

Switching system: Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.

Wire cross section: Snap-action switching element with tinned soldering terminals at the sides
Max. wire diameter 2 wires à 1.2 mm
Max. wire cross-section of stranded cable 1 x 1 mm²

Contact material: Gold

Tightening torque: Fixing nut max. 0.5 Nm

Mechanical lifetime: 1 Mio. cycles of operation

Operating force: 4 N ... 6 N

Operating Travel: 3 mm

Weight: 0.01 kg

Terminal: Universal soldering terminal

Switching action: Maintained

AMBIENT CONDITION

Operating temperature: – 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely

Storage temperature: – 40 °C ... + 85 °C

IP front protection: IP65, according to DIN EN 60529

Shock resistance: 15 g for 11 ms, as per DIN / EN 60512-4-3, DIN / EN 60068-2-27 (Single impacts, semi-sinusoidal)

Vibration resistance: 10 g at 10 Hz...1500 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN EN 60512-4-4, DIN EN 60068-2-6

Climate resistance: Standard condition, as per DIN EN 60068-2-30
Changing condition, as per DIN EN 60068-2-14

CERTIFICATE

Approbations: CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL

Conformities: CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 30 / EU (EMC), 2014 / 35 / EU (LVD)

OTHER

Short Description: Actuator, 24 mm x 18 mm, illuminative, Black, Plastic, 2 NC / 2 NO, Maintained,

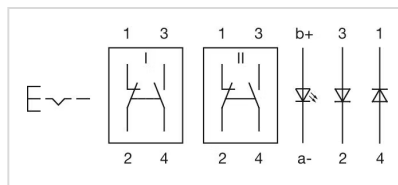
Universal soldering terminal, IP65, according to DIN EN 60529

Housing colour: Black

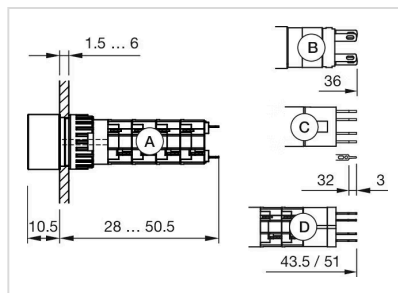
max. number of switching elements: 4

Internal size: 21,5 mm x 15,3 mm

Wiring diagrams:



Dimension drawings:



A = Solder terminal
B = Plug-in terminal 2.8 mm x 0.5 mm
C = Universal terminal 2.0 mm x 0.5 mm
D = Universal-Solder terminal

Mounting cut-outs:

